

20. The method of Claim 13, further comprising storing a representation of a resource demand.

21. The method of Claim 13, further comprising generating the resource demand with a network optimization.

22. The method of Claim 13, further comprising generating the resource demand with a network optimization.

22 A system for representing revenue management problems comprising:
a computer readable medium; and
a set of software instructions contained upon the computer readable medium, wherein
the software instructions are executable to:

store a representation of a network demand in a first data structure;
store a representation of a network resource in a second data structure;
store a representation of a resource bundle in third data structure; and
store a representation of a resource bundle to demand link in a fourth data
structure, wherein the resource bundle to demand link associates a resource bundle with a
network demand.

23. The system of Claim 1, wherein the network demand includes:
an itinerary demand; and
a fare class demand.

24. The system of Claim 22, wherein the software instructions are further executable
to:

store a representation of a maximum capacity for the network resource;
store a representation of the physical capacity of the network resource; and
store a representation of the expected use capacity of the network resource.

25. The system of claim 22, wherein the software instructions are further operable to:
store a representation of an optimal quantity in the fourth data structure; and
store a representation of an optimal price in the fourth data structure.

26. The system of Claim 22, wherein the software instructions are further operable to
store a representation of a resource demand in a fifth data structure.

27. The system of Claim 26, wherein the software instructions are further operable to
generate the resource demand based on the results of a network optimization.